

SDMS US EPA REGION V -1

SOME IMAGES WITHIN THIS
DOCUMENT MAY BE ILLEGIBLE
DUE TO BAD SOURCE
DOCUMENTS.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

PERMIT NO. 990-EN-4697

PERMIT NO. 990-EN-4697

DATE ISSUED January 18, 1990
SUBJECT: CERRO COPPER PRODUCTS COMPANY -- East St. Louis Works -- Modification of
Existing Sewers, New Lift Station and Stormwater Retention Basin -- Village of Sauget
Physical - Chemical Wastewater Treatment Plant

DATE ISSUED January 18, 1990

PREPARED BY: The Chester Engineers

SUBJECT: CERRO COPPER PRODUCTS COMPANY -- East St. Louis Works -- Modification of
Existing Sewers, New Lift Station and Stormwater Retention Basin -- Village of Sauget
Physical - Chemical Wastewater Treatment Plant

PERMITTEE:

Cerro Copper Products Company
Post Office Box 6800
St. Louis, Missouri 63166-6800

Permit is hereby granted to the above designated permittee to construct water
pollution control facilities described as follows:

A storm water collection system, lift station and force main to convey discharges
from Cerro Copper Products Company to the Village of Sauget industrial sewer system.
The storm water collection system will include approximately 1,600 linear feet of
precast concrete channel (10 feet wide x 5 feet deep) immediately west and along Dead
Creek to intercept drainage from the subject facility and thereby eliminating
discharge to Dead Creek. The proposed concrete channel will empty into a 0.8 million
gallon concrete storage basin with pump station which via a 24 inch diameter force
main will connect to an existing manhole and Village of Sauget interceptor. The
storage basin will be 9.5 feet to 14.5 feet deep sloped to the pump station, 40 feet
wide narrowing to 21 foot wide at the pump station and 224 feet long excluding
32.5 feet additional length of the pump station. Three 4500 GPM at 21 ft. TDH storm
water pumps and two 200 GPM at 30 ft. TDH process waste-pumps will be installed in
the pump station all with connection to the 24 inch force main. A 18 inch diameter
process waste sewer will be installed within the storm water channel and will empty
into a pit in the pump station wet well where the process waste pumps take suction.
A flow meter will be installed on the discharge line from the process waste pumps.
An oil skimmer will be installed in the storm water storage basin. The force main
will be a 24 inch diameter fiberglass reinforced pipe approximately 175 feet in
length tributary to a 36 inch combined process-stormwater interceptor tributary to
the Village of Sauget Physical-Chemical Wastewater Treatment Plant. The proposed
system will improve conveyance of existing waste water and storm water flows
(1,500 P.E., 150,000 GPD DAF) to the existing combined interceptor and is not
additional loading to the Village of Sauget Physical-Chemical Wastewater Treatment
Plant.

Continued On Page 2

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED
WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:GC:lab/0052n, 73-75
cc: EPA - Region 6
The Chester Engineers
Village of Sauget
Patterson Schafer, Inc.
Record
Rinds

DIVISION OF WATER POLLUTION CONTROL


Thomas B. McSwiggan, P.E.
Manager, Permit Section

ER 007893

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

PERMIT NO.: 1000-EN-4602

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS
PREPARED BY: The Chester Engineers

DATE ISSUED: January 18, 1990

SUBJECT: CERRO COPPER PRODUCTS COMPANY -- East St. Louis Works -- Modification of
Existing Sewers, New Lift Station and Stormwater Retention Basin -- Village of Sauget
Physical & Chemical Wastewater Treatment Plant

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplement Permit.

SPECIAL CONDITION 1: The issuance of this permit does not relieve the permittee of the responsibility of complying with any limitations and provisions imposed by the Village of Sauget.

SPECIAL CONDITION 2: The issuance of this permit does not relieve the permittee of the responsibility of complying with 35 Ill. Adm. Code, Part 307 and/or the General Pretreatment Regulations (40 CFR 403) and any guidelines developed pursuant to Section 301, 306, or 307 of the Federal Clean Water Act of 1977.

SPECIAL CONDITION 3: The guidelines developed for the Copper Forming Point Source Category (40 CFR Part 468 Subpart A - Copper Forming Subcategory 468.14 PSES) limits the following pollutants at the East Outfall (12-C) as follows:

Copper Forming Operations (PSES)

Pollutant	Maximum For Any 1 Day (Lbs)	Maximum For Monthly Average (Lbs Per Day)
Copper	1.395	0.734
Chromium	0.330	0.131
Lead	0.109	0.093
Nickel	1.409	0.237
Zinc	1.071	0.147
Total Toxic Organics	0.476	0.245
Oil and Grease	14.692	8.814

Continued On Page 3

CER 007894

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

DATE: 01/18/1990

PERMIT NO.: 1990-EM-4693

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS
PREPARED BY: The Chester Engineers

DATE ISSUED: January 18, 1990

SUBJECT: CERRO COPPER PRODUCTS COMPANY -- East St. Louis Works -- Modification of
Existing Sewers, Sewer Lift Station and Stormwater Retention Basin -- Village of Sauget
Industrial - Chemical Wastewater Treatment Plant

1. As an alternate monitoring procedure for TTD, indirect dischargers may monitor for oil and grease and meet the alternate monitoring standards for oil and grease established for PSES. Any indirect discharger meeting the alternate monitoring oil and grease standards shall be considered to meet the TTD standard.
- a) Compliance with the above limits shall be determined by measurement of pollutant discharge at locations 1-C, 2-A, 8-C and 18-A.
- b) Monitoring at each of the four locations shall include:
 - (1) Calculation of the amount of flow attributable to regulated process wastewater and the amount of flow attributable to non-regulated dilutional flows.
 - (2) Monitoring for regulated pollutants and calculation of the amount of each regulated pollutant being discharged at each of the four locations from regulated process wastewater flows.
- c) The pounds per day of each regulated pollutant being discharged in the regulated wastestreams at all four monitoring locations shall be summed and reported as the total number of pounds of each pollutant being discharged at the East Outfall (12-C), from Copper Forming Operations.
- d) Sampling shall be conducted during a normal working day during normal working hours.

CER 007895

READ ALL CONDITIONS CAREFULLY
STANDARD CONDITIONS

The Illinois Environmental Protection Act (Illinois Revised Statutes, Chapter 111.12, Section 1039) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

1. Unless the construction for which this permit is issued has been completed, this permit will expire: (1) two years after the date of issuance for permits to construct sewers or wastewater sources or (2) three years after the date of issuance for permits to construct treatment works or pretreatment works.
2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any agent duly authorized by the Agency upon the presentation of credentials:
 - a. to enter at reasonable times, the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit.
 - b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit.
 - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit.
 - d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants.
 - e. to enter at reasonable times and utilize any photographic,

recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.

5. The issuance of this permit:
 - a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located.
 - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;
 - c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;
 - d. shall not take into consideration or attest to the structural stability of any units or parts of the project;
 - e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. Unless a joint construction/operation permit has been issued a permit for operating shall be obtained from the Agency before the facility or equipment covered by this permit is placed into operation.
7. These standard conditions shall prevail unless modified by special conditions.
8. The Agency may file a complaint with the Board for suspension or revocation of a permit:
 - a. upon discovery that the permit application contained misrepresentations, misinformation or false statements or that all relevant facts were not disclosed; or
 - b. upon finding that any standard or special conditions have been violated; or
 - c. upon any violation of the Environmental Protection Act or any Rule or Regulation effective thereunder as a result of the construction or development authorized by this permit.

GER 007896